Amendment to the Drawings:

The attached sheets of drawings – both "Replacement" and "Annotated" sheets – represent Figures 3, 4, 7, 17, 19, 20, and 22 amended as required in the Office Action.

Figures 3, 19, and 22 are amended to separately identify Fig. 3A, Fig. 3B, Fig. 19A, Fig. 19B, Fig. 22A, and Fig. 22B.

Figures 4, 7, 17, and 20 are amended to identify every sequence in the figures with the corresponding SEQ ID NO:, as found in the "Sequence Listing."

Replacement Sheets of Proposed Drawings Corrections

ATTACHMENT

Stimulation of neurite outgrowth by the C3-peptide.

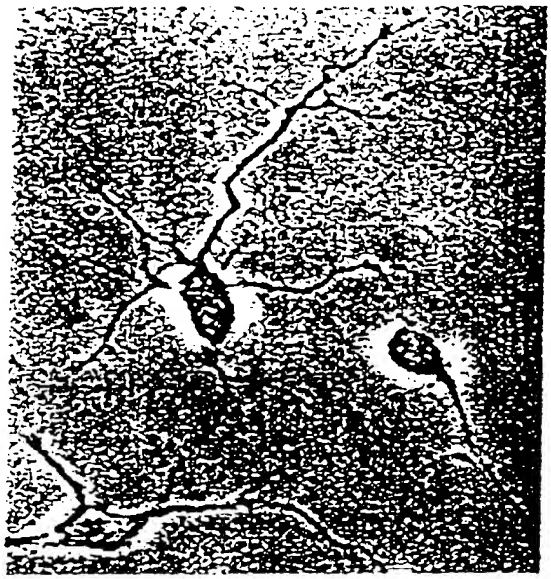

Fig. 3B

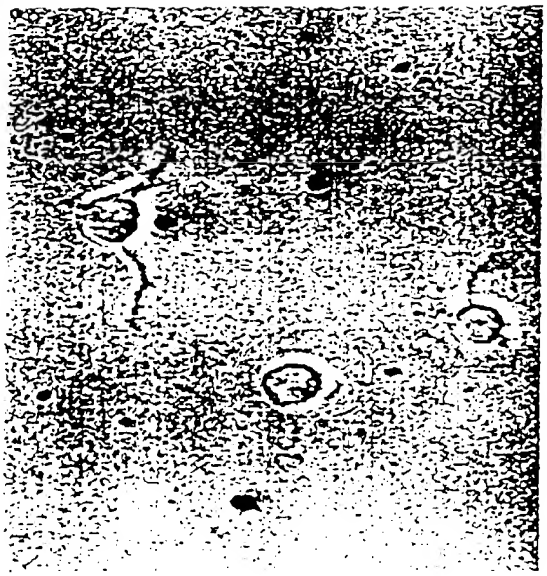

Fig. 3A

Stimulation of neurite outgrowth by the C3-peptide.

Fig. 3B
Added

Fig. 3B

FIG. 3

Fig. 3
Deleted

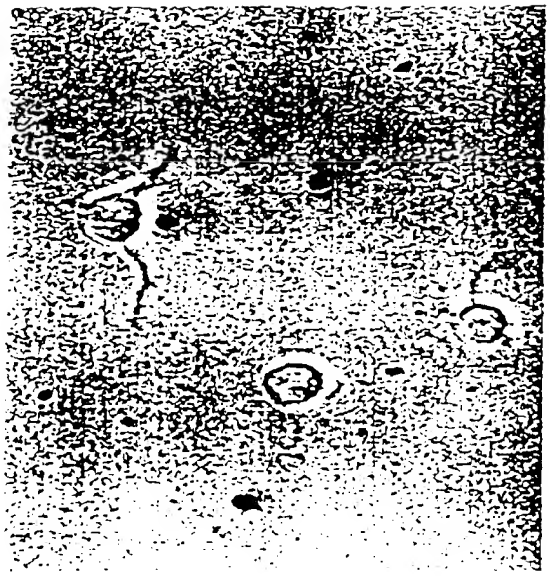

Fig. 3A
Added

Fig. 3A

NCAM-Ig1 binding sequences identified from a combinatorial library of synthetic peptides.

			SEQ ID NO.:
A		A R A L N W G A K P K	3
		A G S A V K L K K K A	4
		A K Y V L I P I R I S	5
		A S F K R S M Q G I -	6
		A R R A I L M Q/m - A L	7
		A Y Y L I V R V N R I	8
		A T N K K T G R R P R	9
		A K R N G P L I N R I	10
		A K R S V Q K L D G Q	11
		A R Q K T M K P R R S	12
		A G D Y N P D L D R -	13
		A S K K P K R N I K A	1
		A R K T R E R K S K D	14
		A S Q A K R R K G P R	15
		A P K L D R M L T K K	16
		A K K E K P N K P N D	17
		A Q M G R Q S I D R N	18
		A E G G K K K K M R A	19
		A K K E R Q R K D T Q	2
		A K K K E Q K Q R N A	20
		A K S R K G N S S L M	21
		A R K S R D M T A I K	22
B	C3	A S K K P K R N I K A	39
		A K R N G P L I N R I	40
		A K R S V Q K L D G Q	41
		A S T K R S M Q G I -	42
	A T N K K T G R R P R		43
	A R A L N W G A K P K		44
	A R Q K T M K P R R S		
C	D3	A K K E R Q R K D T Q	2
		A K K E K P N K P N D	45
		A R K T K S R E R K D	46
D	D4	A R A L N W G A K P K	3
		A T N K K T G R R P R	47

FIG. 4

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Annotated Marked-up Sheet

PCT/DK99/00500

NCAM-Ig1 binding sequences identified from a combinatorial library of synthetic peptides.

			SEQ ID NO.:
A		A R A L N W G A K P K	3
		A G S A V K L K K K A	4
		A K Y V L I P I R I S	5
		A S F K R S M Q G I -	6
		A R R A I L M QTH - A L	7
		A Y Y L I V R V N R I	8
		A T N K K T G R R P R	9
		A K R N G P L I N R I	10
		A K R S V Q K L D G Q	11
		A R Q K T M K P R R S	12
		A G D Y N P D L D R -	13
		A S K K P K R N I K A	1
		A R K T R E R K S K D	14
		A S Q A K R R K G P R	15
		A P K L D R M L T K K	16
		A K K E K P N K P N D	17
		A Q M G R Q S I D R N	18
		A E G G K K K K M R A	19
		A K K E R Q R K D T Q	2
		A K K K E Q K Q R N A	20
		A K S R K G N S S L M	21
		A R K S R D M T A I K	22
B	C3	A S K K P K R N I K A	39
		A K R N G P L I N R I	40
		A K R S V Q K L D G D	41
		A S T K R S M Q G I -	42
A T N K K T G R R P R			43
A R A L N W G A K P K			44
A R Q K T M K P R R S			
C	D3	A K K E R Q R K D T Q	2
		A K K E K P N K P N D	45
		A R K T K S R E R K D	46
D	D4	A R A L N W G A K P K	3
		A T N K K T G R R P R	47

FIG. 4

Column identifying a SEQ ID NO. for each sequence Added.

Effect of NCAM-Ig1 binding peptides on cell aggregation and neurite outgrowth.

Controls for NCAM Ig1 binding peptide (C3)

SEQ ID NO.:	Peptide	Sequence											Effect*	
													Neur	agg
1	C3	A	S	K	K	P	K	R	N	I	K	A	++	-
2	C-acetyl. K (120)	A	S	K#	K#	P	K#	R	N	I	K#	A	+	-
	Ala subst K/R													
3	116	A	S	K	K	P	K	A	N	I	K	A	++	-
4	117	A	S	K	K	P	A	A	N	I	K	A	0	0
5	118	A	S	K	A	P	A	A	N	I	K	A	0	0
6	P->A	A	S	A	A	P	A	A	N	I	K	A	0	0
7	122	A	S	K	K	A	K	R	N	I	K	A	++	-
	Scrambled C3													
8	121	A	K	K	K	K	R	I	S	A	N	P	++	-
9	114	P	N	A	S	I	R	K	K	K	K	A	++	-
10	C3scr	K	N	S	P	K	A	R	I	K	A	K	++	-
11	D3	A	K	K	E	R	Q	R	K	D	T	Q	++	-
12	scrabled D3	R	T	K	Q	D	K	A	Q	E	R	K	++	-
13	D4	A	R	A	L	N	W	G	A	K	P	K	++	-
14	Scrambled D4	G	L	K	R	W	A	P	N	K	A	A	++	-
	Poly-K													
15	K6 (dendrimer 115)	K	K	K	K	K	K	K					+	-

* effect on neurite extension (neur) and aggregation (agg)
# acetylation on lysine

FIG. 7

1. – SEQ ID NO.: 1
2. – SEQ ID NO.: 27
3. – SEQ ID NO.: 28
4. – SEQ ID NO.: 29
5. – SEQ ID NO.: 30
6. – SEQ ID NO.: 31
7. – SEQ ID NO.: 32
8. – SEQ ID NO.: 33
9. – SEQ ID NO.: 34
10. – SEQ ID NO.: 35
11. – SEQ ID NO.: 2
12. – SEQ ID NO.: 36
13. – SEQ ID NO.: 3
14. – SEQ ID NO.: 37
15. – SEQ ID NO.: 38

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Annotated Marked-up Sheet

PCT/DK99/00500

Effect of NCAM-Ig1 binding peptides on cell aggregation and neurite outgrowth.

Controls for NCAM Ig1 binding peptide (C3)

SEQ ID NO:	Peptide	Sequence													Effect*	
															Neur	agg
1	C3	A	S	K	K	P	K	R	N	I	K	A			++	-
2	C3diacetyl. K (120)	A	S	K#	K#	P	K#	R	N	I	K#	A			+	-
	Ala subst K/R															
3	116	A	S	K	K	P	K	A	N	I	K	A			++	-
4	117	A	S	K	K	P	A	A	N	I	K	A			0	0
5	118	A	S	K	A	P	A	A	N	I	K	A			0	0
6	119	A	S	A	A	P	A	A	N	I	K	A			0	0
	P->A															
7	122	A	S	K	K	A	K	R	N	I	K	A			++	-
	Scrambled C3															
8	121	A	K	K	K	K	R	I	S	A	N	P			++	-
9	114	P	N	A	S	I	R	K	K	K	K	A			++	-
10	C3scr	K	N	S	P	K	A	R	I	K	A	K			++	-
11	D3	A	K	K	E	R	Q	R	K	D	T	Q			++	-
12	scrabled D3	R	T	K	Q	D	K	A	Q	E	R	K			++	-
13	D4	A	R	A	L	N	W	O	A	K	P	K			++	-
14	Scrambled D4	G	L	K	R	W	A	P	N	K	A	A				
	Poly-K															
15	K6 (dendrimer.115)	K	K	K	K	K	K	K	K	K	K	A			+	-

• effect on neurite extension (neur) and aggregation (agg)
acetylation on lysine

FIG. 7

Legend matching each numbered sequence in text table with the corresponding SEQ ID NO: Added

1. – SEQ ID NO.: 1
2. – SEQ ID NO.: 27
3. – SEQ ID NO.: 28
4. – SEQ ID NO.: 29
5. – SEQ ID NO.: 30
6. – SEQ ID NO.: 31
7. – SEQ ID NO.: 32
8. – SEQ ID NO.: 33
9. – SEQ ID NO.: 34
10. – SEQ ID NO.: 35
11. – SEQ ID NO.: 2
12. – SEQ ID NO.: 36
13. – SEQ ID NO.: 3
14. – SEQ ID NO.: 37
15. – SEQ ID NO.: 38

The predicted amino acid sequence of human NCAM-140.
(SEQ ID NO: 48)

```
   1 MLQTKDLIWT LFFLGTAVSL QVDIVPSQGE ISVGESKFFL CQVAGDAKDK DISWFSPNGE
  61 KLTPNQQRIS VVWNDDSSST LTIYNANIDD AGIYKCVVTG EDGSESEATV NVKIFQKLMF
 121 KNAPTPQEFR EGEDAVIVCD VVSSLPPTII WKHKGRDVIL KKDVRFIVLS NNYLQIRGIK
 181 KTDEGTYRCE GRILARGEIN FKDIQVIVNV PPTIQARQNI VNATANLGQS VTLVCDAEGF
 241 PEPTMSWTKD GEQIEQEEDD EKYIFSDDSS QLTIKKVDKN DEAEYICIAE NKAGEQDATI
 301 HLKVFAKPKI TYVENQTAME LEEQVTLTCE ASGDPIPSIT WRTSTRNISS EEKTLDGHMV
 361 VRSHARVSSL TLKSIQYTDA GEYICTASNT IGQDSQSMYL EVQYAPKLQG PVAVYTWEGN
 421 QVNITCEVFA YPSATISWFR DGQLLPSSNY SNIKIYNTPS ASYLEVTPDS ENDFGNYNCT
 481 AVNRIGQESL EFILVQADTP SSPSIDQVEP YSSTAQVQFD EPEATGGVPI LKYKAEWRAV
 541 GEEVWHSKWY DAKEASMEGI VTIVGLKPET TYAVRLAALN GKGLGEISAA SEFKTQPVQG
 601 EPSAPKLEGQ MGEDGNSIKV NLIKQDDGGS PIRHYLVRYR ALSSEWKPEI RLPSGSDHVM
 661 LKSLDWNAEY EVYVVAENQQ GKSKAAHFVF RTSAQPTAIP ANGSPTSGLS TGAIVGILIV
 721 IFVLLLVVVD ITCYFLNKCG LFMCIAVNLC GKAGPGAKGK DMEEGKAAFS KDESKEPIVE
 781 VRTEEERTPN HDGGKHTEPN ETMPLTEPEK GPVEAKPECQ ETETKPAPAE VKTVPNDATQ
 841 TKENESKA
```

FIG. 17

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Annotated Marked-up Sheet

PCT/DK99/00500

The predicted amino acid sequence of human NCAM-140.

(SEQ ID NO: 48)

SEQ ID NO: identifying the sequence Added

```
  1 MLQTKDLIWT LFFLGTAVSL QVDIVPSQGE ISVGESKFFL CQVAGDAKDK DISWFSPNGE
 61 KLTPNQQRIS VVWNDDSSST LTIYNANIDD AGIYKCVVTG EDGSESEATV NVKIFQKLMF
121 KNAPTPQEFR EGEDAVIVCD VVSSLPPTII WKHKGRDVIL KKDVRFIVLS NNYLQIRGIK
181 KTDEGTYRCE GRILARGEIN FKDIQVIVNV PPTIQARQNI VNATANLGQS VTLVCDAEGF
241 PEPTMSWTKD GEQIEQEEDD EKYIFSDDSS QLTIKKVDKN DEAEYICIAE NKAGEQDATI
301 HLKVFAKPKI TYVENQTAME LEEQVTLTCE ASGDPIPSIT WRTSTRNISS EEKTLDGHMV
361 VRSHARVSSL TLKSIQYTDA GEYICTASNT IGQDSQSMYL EVQYAPKLQG PVAVYTWEGN
421 QVNITCEVFA YPSATISWFR DGQLLPSSNY SNIKIYNTPS ASYLEVTPDS ENDFGNYNCT
481 AVNRIGQESL EFILVQADTP SSPSIDQVEP YSSTAQVQFD EPEATGGVPI LKYKAEWRAV
541 GEEVWHSKWY DAKEASMEGI VTIVGLKPET TYAVRLAALN GKGLGEISAA SEFKTQPVQG
601 EPSAPKLEGQ MGEDGNSIKV NLIKQDDGGS PIRHYLVRYR ALSSEWKPEI RLPSGSDHVM
661 LKSLDWNAEY EVYVVAENQQ GKSKAAHFVF RTSAQPTAIP ANGSPTSGLS TGAIVGILIV
721 IFVLLLVVVD ITCYFLNKCG LFMCIAVNLC GKAGPGAKGK DMEEGKAAFS KDESKEPIVE
781 VRTEEERTPN HDGGKHTEPN ETTPLTEPEK GPVEAKPECQ ETETKPAPAE VKTVPNDATQ
841 TKENESKA
```

FIG. 17

The effect of the NCAM Ig2 domain and the Ig2-p peptide and control peptides derived from the Ig2-p peptide on cell aggregation.

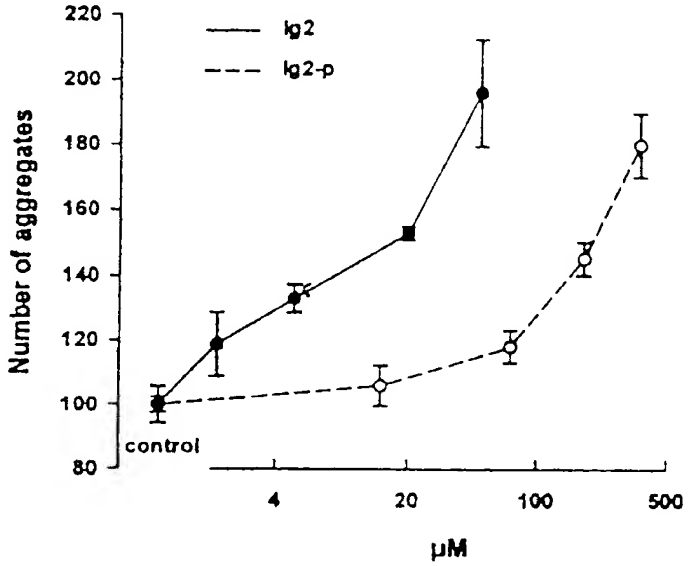


Fig. 19A

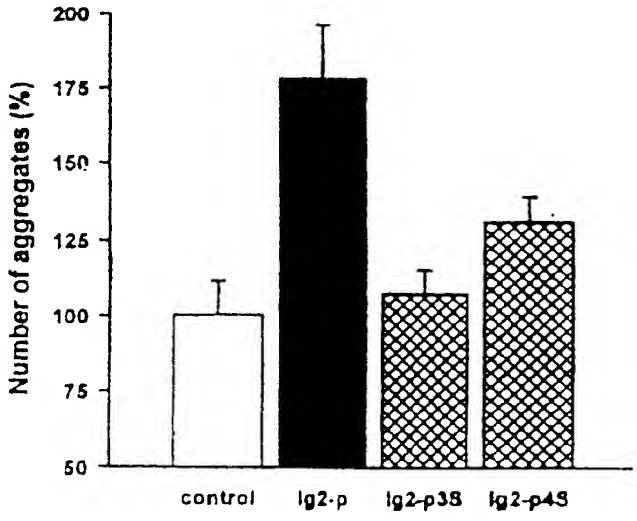


Fig. 19B

The effect of the NCAM Ig2 domain and the Ig2-p peptide and control peptides derived from the Ig2-p peptide on cell aggregation.

Fig. 19 Deleted

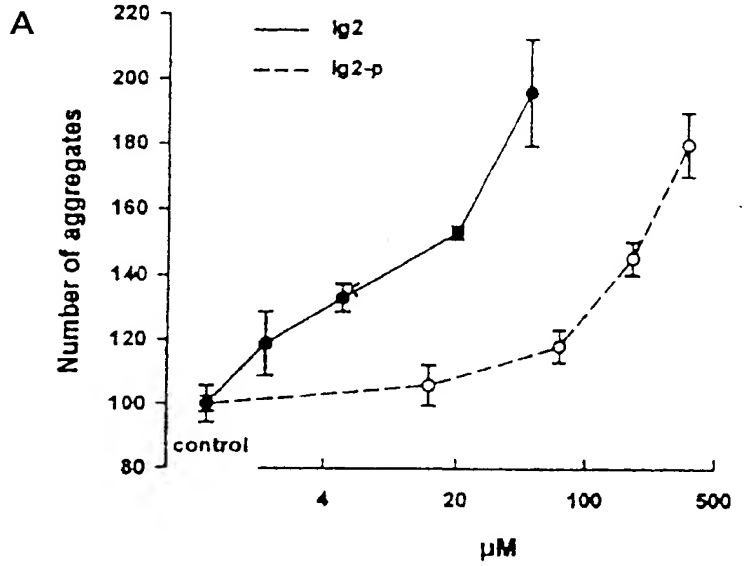


Fig. 19A

Fig. 19A Added

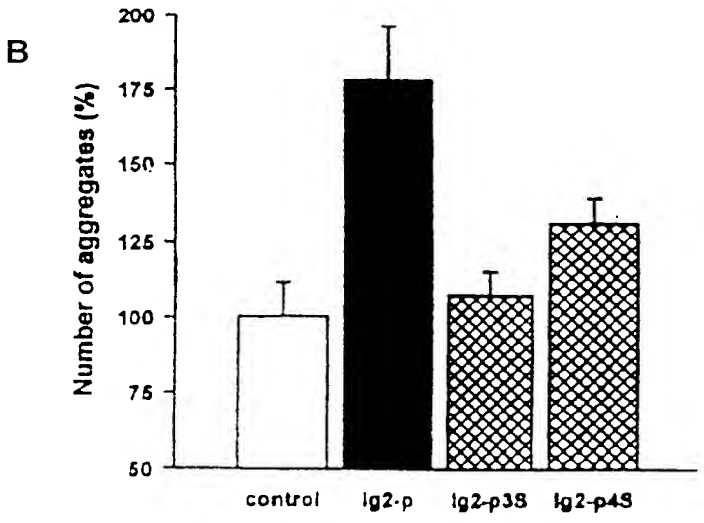
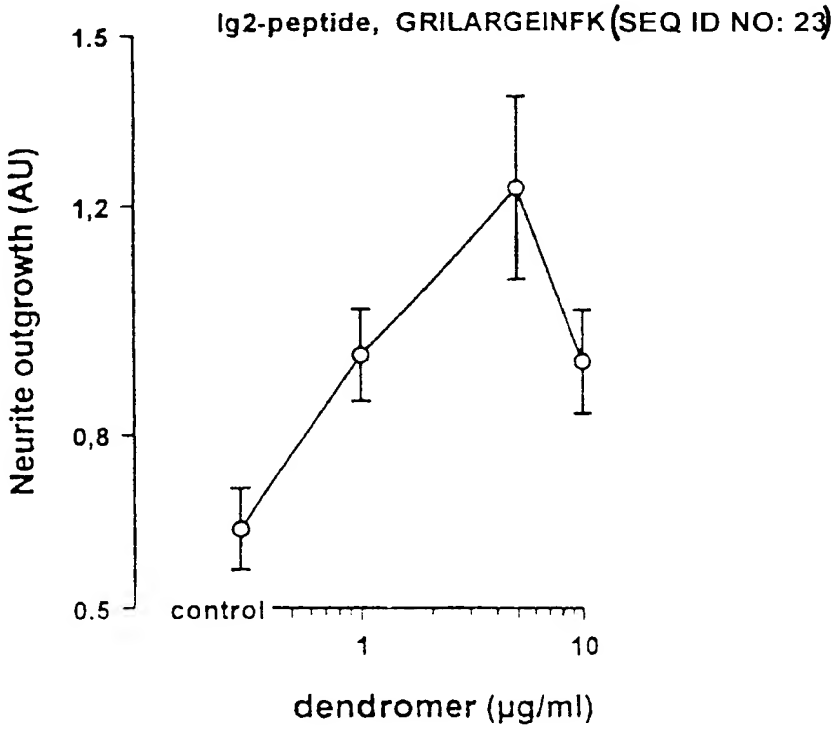


Fig. 19B

Fig. 19B Added

The effect of the Ig2-p peptide dendrimer on neurite outgrowth.

Fig. 20



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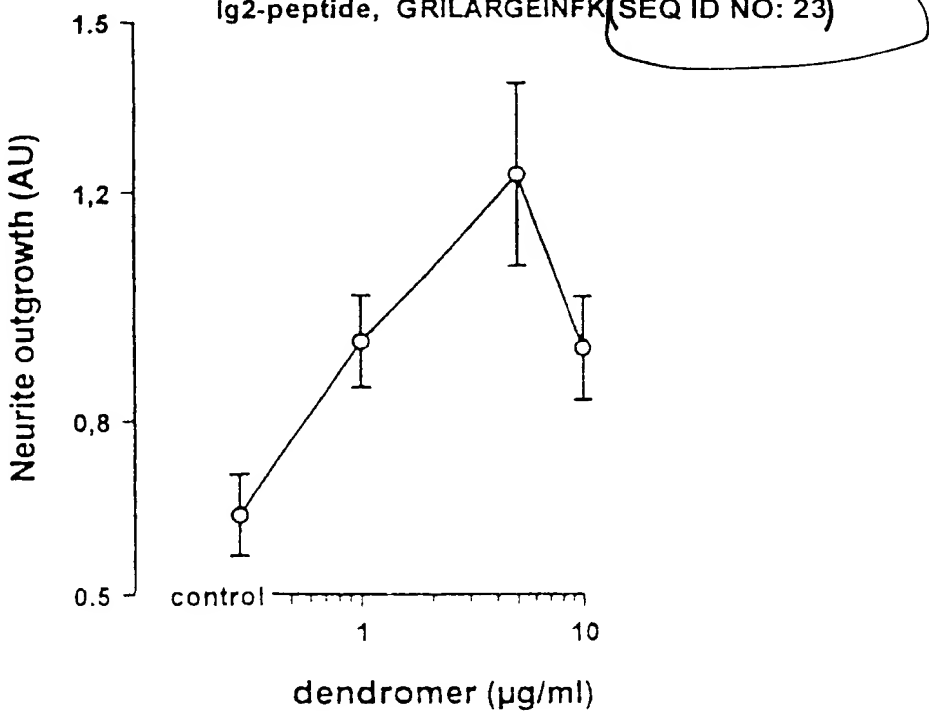
Annotated Marked-up Sheet

PCT/DK99/00500

The effect of the Ig2-p peptide dendrimer on neurite outgrowth.

Fig. 20

SEQ ID NO: identifying the sequence Added



Micrograph showing the effect of the Ig2-p peptide on neurite outgrowth.

Fig. 22A

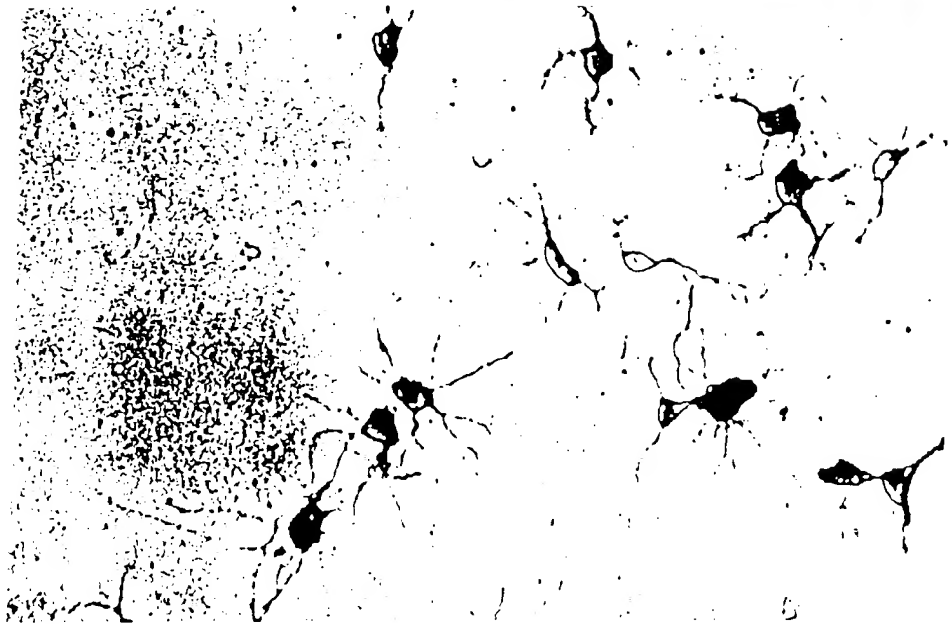


Fig. 22B

Micrograph showing the effect of the Ig2-p peptide on neurite outgrowth.

A

Fig. 22A Added

Fig. 22A

B

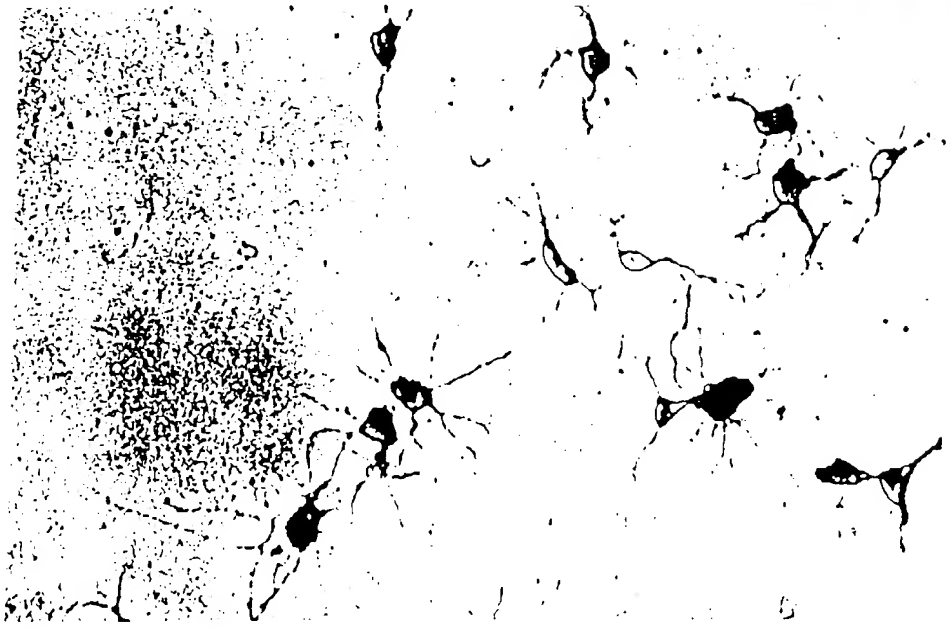


Fig. 22B Added

Fig. 22B